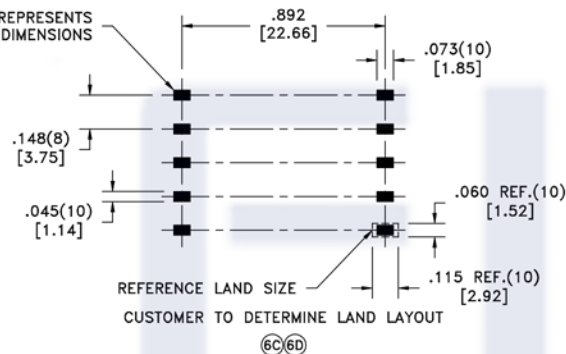
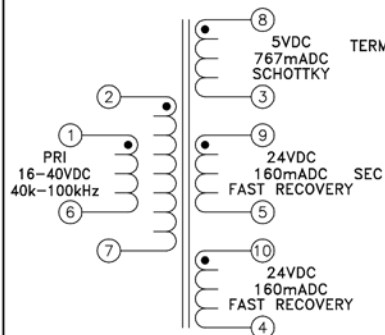
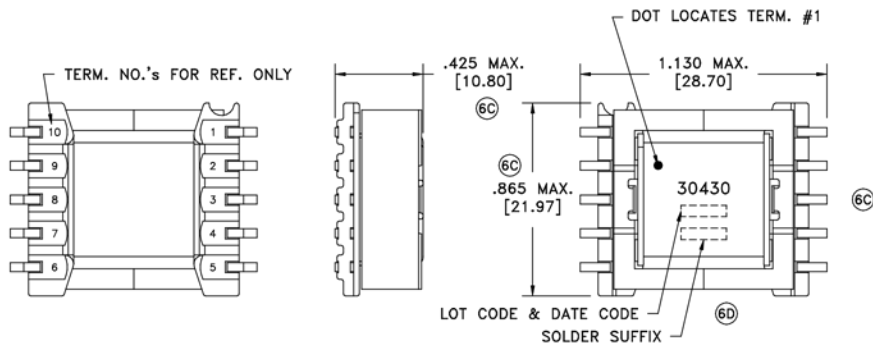


SOLDER SUFFIX	CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE	6D
LF3	Sn100%	Yes	Yes	



6C



ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

PARAMETER	TEST CONDITIONS	VALUE
D.C. RESISTANCE	2-7 @20°C	0.131 ohms max.
D.C. RESISTANCE	8-3 @20°C	0.069 ohms max.
D.C. RESISTANCE	9-5 @20°C	1.333 ohms max.
D.C. RESISTANCE	10-4 @20°C	1.333 ohms max.
D.C. RESISTANCE	1-6 @20°C	0.168 ohms max.
INDUCTANCE	2-7 10kHz, 100mVAC, Ls	39.2uH ±5%
LEAKAGE INDUCTANCE	2-7 tie(9+5, 8+3, 7+6, 10+4, 1+2), 100kHz, 100mVAC, Ls	390nH typ.
DIELECTRIC	PRI-SEC 625VAC, 1 second	500VAC, 1 minute
TURNS RATIO	(2-7):(8-3)	1.33:1, ±1%
6D TURNS RATIO	(9-5):(2-7)	3.375:1, ±1%
6D TURNS RATIO	(10-4):(2-7)	3.375:1, ±1%
TURNS RATIO	(2-7):(1-6)	1:1, ±1%

GENERAL SPECIFICATIONS:

6D OPERATING TEMPERATURE RANGE: -40°C to +125°C including temp rise.

TRANSFORMER INFORMATION:

Pout max.:	11.5W
Pout min.:	7.40W
Estimated Temp. Rise @ Pout max.:	26.8°C
Estimated Efficiency:	80.1%
Estimated Maximum Duty Cycle:	33.8%

SWITCH SELECTION INFORMATION

Input Voltage Range:	16-40V
Peak Current:	4.7A
Vsw @ Rated Output Voltages:	48 + (Vmax - 40)
Operating Frequency:	40k-100kHz

Transformer will operate in Discontinuous Mode below Minimum Specified Output Voltage of Pout Min.
Pout min. varies with frequency of switcher (from 40 to 100kHz)
Pout Min = 740.0/(Frequency in kHz) Watts.

DETAILS SUBJECT TO CHANGE

REV.	DATE	Packaging Specifications	CONVENTION PLACEMENT	Tolerances unless otherwise specified: Angles: ±1° Decimals: ±.005 [.13] Fractions: ±1/64 Footprint: ±.005 [.13]	DRAWING TITLE	PART NO.	6C/6D
6D	2/12	Method: Tape & Reel PKG-0267			TRANSFORMER	FKS30430R-LF3	
6C	1/01						
6B	10/97						
6A	8/97						

This drawing is dual dimensioned. Dimensions in brackets are in millimeters.

eiSos p/n: FKS750030430



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